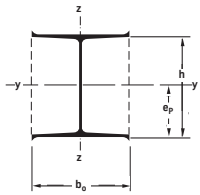


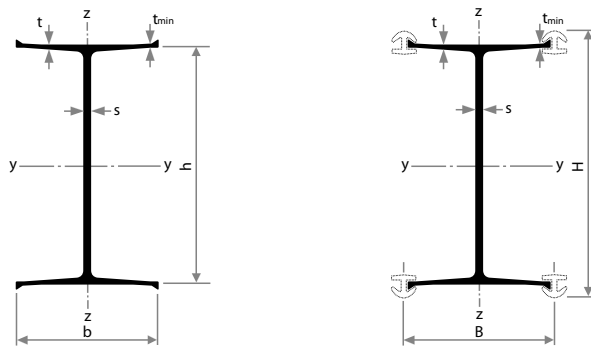
PEINE Composite Wall System

PEINE sheet pilings	Section PSp ¹⁾	Section modulus		Weight kg/m	Width b mm	Height h mm	Circumference		Coating surface on one side inclusive of locking bars m ² /m	Cross section		Second moment of inertia		Radius of gyration		Distance from edge e _p cm
		W _y	W _z				Total	Outline		Steel	Outline	I _y	I _z	i _y	i _z	
		cm ³	cm ³				cm	cm		cm ²	cm ²	cm ⁴	cm ⁴	cm	cm	
	370	2285	800	122	380	370	225	158	0.39	155	1422	42274	15192	16.5	9.9	18.5
	400	2523	801	127	380	400	231	164	0.39	162	1536	50469	15210	17.6	9.7	20.0
	500	3278	801	136	380	500	251	184	0.39	173	1916	81947	15211	21.8	9.4	25.0
	600	5274	1169	188	460	600	301	220	0.47	239	2774	158226	26886	25.7	10.6	30.0
	606	5847	1262	204	460	606	301	220	0.47	260	2795	177170	29035	26.1	10.6	30.3
	700	6353	1169	199	460	700	321	240	0.47	253	3234	222343	26889	29.6	10.3	35.0
	706	7028	1262	215	460	706	321	240	0.47	274	3255	248090	29037	30.1	10.3	35.3
	800	7980	1216	221	460	800	339	260	0.47	281	3694	319198	27973	33.7	10.0	40.0
	806	8754	1310	237	460	806	339	260	0.47	302	3715	352788	30122	34.2	10.0	40.3
	900	9221	1216	232	460	900	359	280	0.47	295	4154	414958	27975	37.5	9.7	45.0
	906	10098	1310	248	460	906	359	280	0.47	316	4175	457433	30124	38.1	9.8	45.3
	1000	10509	1216	243	460	1000	379	300	0.47	309	4614	525471	27978	41.2	9.5	50.0
	1006	11489	1310	259	460	1006	379	300	0.47	330	4635	577873	30126	41.9	9.6	50.3
	1001	11912	1317	267	460	1000	377	300	0.47	340	4614	595586	30302	41.9	9.4	50.0
	1013	12521	1369	277	460	1004	377	300	0.47	353	4627	628532	31495	42.2	9.4	50.2
	1016	12882	1411	283	460	1006	377	300	0.47	361	4635	647988	32450	42.4	9.5	50.3
	1016 S	13872	1509	300	460	1012	377	300	0.47	382	4656	701909	34711	42.9	9.5	50.6
	1017	14705	1593	314	460	1017	377	300	0.47	400	4674	747730	36630	43.2	9.6	50.9
	1030	15815	1596	351	460	1030	378	303	0.47	447	4739	814488	36712	42.7	9.1	51.5
	1035 S	16656	1680	365	460	1035	378	303	0.47	464	4757	861951	38632	43.1	9.1	51.8

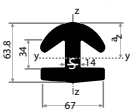


$$W_{yP} = \frac{I_y}{e_p}$$

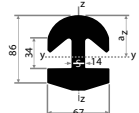
1) In steel grades up to S 355 GP, all PSp sections can be assigned to Class 2 in accordance with the ENV 1993-5 classification.



PEINE P locking bar



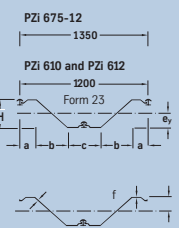
Special interlock



Locking bar P	Section modulus		Weight kg/m	Dimensions			Circumference total cm	Cross section cm ²	Second moment of inertia		Distance from edge a _z mm
	W _y cm ³	W _z cm ³		h mm	b mm	s mm			I _y cm ⁴	I _z cm ⁴	
	28	19.3	18.4	63.8	67	14	35.4	23.5	91.7	65.2	32.8

For driving in heavy soils, a special interlock for foot reinforcement can be used. This is attached to the foot of the PZ intermediate sections over a length of 300 to 500 mm. Dead weight 30.1 kg/m, cross-sectional area 38.3 cm².

PEINE PZ intermediate sections



Section PZ	Form	Weight kg/m	Dimensions					Circumference total m	Cross section A cm ²	Coating area ²⁾ m ² /m	Second moment of inertia I _y cm ⁴	Distance from edge e _y cm
			a mm	b mm	c mm	t/s mm	H mm					
		175										
612 ¹⁾	23	195	152	296	304	12	272	3.35	249	3.19	25820	14.9
		209										
610 ¹⁾	21	138	152	296	304	10	270	2.95	176	2.95	16740	14.8
		158										
675-12	21	172	142	410	246	12	312	3.27	219	3.29	27360	16.8